

§ 173.216 Asbestos, blue, brown or white.

(a) Asbestos, blue, brown or white, includes each of the following hydrated mineral silicates: chrysolite, crocidolite, amosite, anthophyllite asbestos, tremolite asbestos, actinolite asbestos, and every product containing any of these materials.

(b) [Reserved]

(c) Packagings for asbestos must conform to the general packaging requirements of subpart B of this part but need not conform to the requirements of part 178 of this subchapter. Asbestos must be offered for transportation and transported in—

(1) Rigid, leaktight packagings, such as metal, plastic or fiber drums, portable tanks, hopper-type rail cars, or hopper-type motor vehicles;

(2) Bags or other non-rigid packagings in closed freight containers, motor vehicles, or rail cars that are loaded by and for the exclusive use of the consignor and unloaded by the consignee;

(3) Bags or other non-rigid packagings which are dust and sift proof must be placed in rigid outer packagings or closed freight containers.

[Amdt. 173-224, 55 FR 52643, Dec. 21, 1990, as amended at 66 FR 45379, Aug. 28, 2001; 68 FR 45034, July 31, 2003; 71 CFR 78632, Dec. 29, 2006]

§ 173.217 Carbon dioxide, solid (dry ice).

(a) Carbon dioxide, solid (dry ice), when offered for transportation or transported by aircraft or water, must be packed in packagings designed and constructed to permit the release of carbon dioxide gas to prevent a build-up of pressure that could rupture the packagings. Packagings must conform to the general packaging requirements of subpart B of this part but need not conform to the requirements of part 178 of this subchapter. For each shipment by air exceeding 2.3 kg (5 lbs) per package, advance arrangements must be made between the shipper and each carrier.

(b) Railroad cars and motor vehicles containing solid carbon dioxide, when accepted for transportation on board ocean vessels, must be conspicuously

marked on two sides "WARNING CO₂ SOLID (DRY ICE)."

(c) Other packagings containing solid carbon dioxide, when offered or accepted for transportation on board ocean vessels, must be marked "CARBON DIOXIDE, SOLID—DO NOT STOW BELOW DECKS."

(d) Not more than 200 kg (441 pounds) of solid carbon dioxide may be transported in any one cargo compartment or bin on any aircraft except by specific and special written arrangement between the shipper and the aircraft operator.

(e) Carbon dioxide, solid (dry ice) is excepted from the shipping paper and certification requirements of this subchapter if the requirements of paragraphs (a) and (d) of this section are complied with and the package is marked "Carbon dioxide, solid" or "Dry ice" and marked with an indication that the material being refrigerated is used for diagnostic or treatment purposes (e.g., frozen medical specimens).

(f) Carbon dioxide, solid (dry ice), when offered or transported by aircraft, in quantities not exceeding 2.3 kg (5 pounds) per package and used as a refrigerant for the contents of the package is excepted from all other requirements of this subchapter if the requirements of paragraphs (a) and (d) of this section are complied with and the package is marked "Carbon dioxide, solid" or "Dry ice", marked with the name of the contents being cooled, and marked with the net weight of the dry ice or an indication the net weight is 2.3 kg (5 pounds) or less.

[Amdt. 173-224, 55 FR 52643, Dec. 21, 1990, as amended by Amdt. 173-138, 59 FR 49133, Sept. 26, 1994; 71 FR 14603, Mar. 22, 2006]

§ 173.218 Fish meal or fish scrap.

(a) Except as provided in Column (7) of the HMT in §172.101 of this subchapter, fish meal or fish scrap, containing at least 6%, but not more than 12% water, is authorized for transportation by vessel only when packaged as follows:

- (1) Burlap (jute) bag;
- (2) Multi-wall paper bag;
- (3) Polyethylene-lined burlap or paper bag;
- (4) Cargo tank;

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- (5) Portable tank;
- (6) Rail car; or
- (7) Freight container.
- (b) [Reserved]

(c) When fish scrap or fish meal is offered for transportation by vessel in bulk in freight containers, the fish meal must contain at least 100 ppm of anti-oxidant (ethoxyquin) at the time of shipment.

[Amdt. 173-224, 55 FR 52643, Dec. 21, 1990, as amended at 68 FR 45034, July 31, 2003]

§ 173.219 Life-saving appliances.

(a) A life-saving appliance, self-inflating or non-self-inflating, containing small quantities of hazardous materials that are required as part of the life-saving appliance must conform to the requirements of this section. Packagings must conform to the general packaging requirements of subpart B of this part but need not conform to the requirements of part 178 of this subchapter. The appliances must be packed, so that they cannot be accidentally activated and, except for life vests, the hazardous materials must be in inner packagings packed so as to prevent movement. The hazardous materials must be an integral part of the appliance and in quantities that do not exceed those appropriate for the actual appliance when in use.

(b) Life saving appliances may contain:

(1) Division 2.2 compressed gases, including oxygen. However, oxygen generators are not permitted;

(2) Signal devices (Class 1), which may include smoke and illumination signal flares;

(3) Electric storage batteries and lithium batteries (Life saving appliances containing lithium batteries must be transported in accordance with §173.185.);

(4) First aid or repair kits conforming to the applicable material and quantity limitations of §173.161 of this subchapter;

(5) Strike-anywhere matches;

(6) For self-inflating life saving appliances only, cartridges power device of Division 1.4S, for purposes of the self-inflating mechanism provided that the quantity of explosives per appliance does not exceed 3.2 g; or

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(7) Limited quantities of other hazardous materials.

(c) Hazardous materials in life saving appliances must be packaged as follows:

(1) Division 2.2 compressed gases must be packaged in cylinders in accordance with the requirements of this subchapter;

(2) Signal devices (Class 1) must be in packagings that prevent them from being inadvertently activated;

(3) Strike-anywhere matches must be cushioned to prevent movement or friction in a metal or composition receptacle with a screw-type closure in a manner that prevents them from being inadvertently activated;

(4) Limited quantities of other hazardous materials must be packaged in accordance with the requirements of this subchapter; and

(5) For other than transportation by aircraft, life saving appliances containing no hazardous materials other than carbon dioxide cylinders with a capacity not exceeding 100 cm³ are not subject to the provisions of this subchapter provided they are overpacked in rigid outer packagings with a maximum gross mass of 40 kg.

[69 FR 76158, Dec. 20, 2004]

EFFECTIVE DATE NOTE: At 72 FR 44950, Aug. 9, 2007, §173.219 was amended by revising (b)(3), effective Jan. 1, 2008. For the convenience of the user, the revised text is set forth as follows:

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(b) * * *

(3) Electric storage batteries and lithium batteries (Life saving appliances containing lithium batteries must be transported in accordance with §173.185, and Special Provisions 188, 189, A101, A103 and A104 as applicable.);

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§ 173.220 Internal combustion engines, self-propelled vehicles, mechanical equipment containing internal combustion engines, and battery powered vehicles or equipment.

(a) *Applicability.* An internal combustion engine, self-propelled vehicle, mechanized equipment containing an